

# USCMS Engineer Status Report for April 2004

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## 1 Work Performed This Month

1) New redesigned Preshower was done in april. Work is in progress now. Next steps are: - introduce a number of MasterROUs (equal to DCC numbers from DAQ TDR) - Put a set of DetUnits per MasterROU and a set of CellIDs per DetUnit 2) Generating Graviton and QCD background datasets (Caltech has this responsibility). 40k of graviton dataset already been generated as well as 1M of QCD background events. 3) Second draft of Eta calibration note has been finished. 4) Grid2004 Presentation making is in progress. 5) Statistical analysis of PBS jobs at NCSA is in progress. 6) Adaptation of our analysis code to ORCA8 and tests are in progress.

## 2 Status of Deliverables

1) New redesigned Preshower was done in april. Work is in progress now. Next steps are: - introduce a number of MasterROUs (equal to DCC numbers from DAQ TDR) - Put a set of DetUnits per MasterROU and a set of CellIDs per DetUnit 2) Generating Graviton and QCD background datasets (Caltech has this responsibility). 40k of graviton dataset already been generated as well as 1M of QCD background events. 3) Second draft of Eta calibration note has been finished. 4) Grid2004 Presentation making is in progress. 5) Statistical analysis of PBS jobs at NCSA is in progress. 6) Adaptation of our analysis code to ORCA8 and tests are in progress.

### 3 Plans For Next Month

1) Calorimetry redesign: - introduce a number of MasterROUs (equal to DCC numbers from DAQ TDR) - Put a set of DetUnits per MasterROU and a set of CellIDs per DetUnit 2) To make publish eta calibration note 3) CMS week presentation about our progress in graviton study 4) Caltech production will go into reconstruction in May-June 5) statistical analysis of our PBS tasks on platinum and other clusters. 6) preparations for the Grid2004 presentation in Dubna in June-July.

### 4 Longer Term Plans

1) Calorimetry redesign: - introduce a number of MasterROUs (equal to DCC numbers from DAQ TDR) - Put a set of DetUnits per MasterROU and a set of CellIDs per DetUnit 2) To make publish eta calibration note 3) CMS week presentation about our progress in graviton study 4) Caltech production will go into reconstruction in May-June 5) statistical analysis of our PBS tasks on platinum and other clusters. 6) preparations for the Grid2004 presentation in Dubna in June-July.

### 5 Links To Supporting Documentation

- <http://www.cacr.caltech.edu/litvin/note.letter.ps> - Eta calibration note, draft v.2
- [http://www.cacr.caltech.edu/litvin/higgs2gg\\_jb\\_14-04-04c.ppt](http://www.cacr.caltech.edu/litvin/higgs2gg_jb_14-04-04c.ppt)